IMPORTANT IMPROVEMENTS IN WARMING AND VENTILATING

CHURCHES, CHAPELS, INFANT AND OTHER SCHOOLS, PUBLIC BUILDINGS AND PRIVATE DWELLINGS, &c. &c.

PIERCE'S NEWLY-INVENTED PATENT

PYRO-PNEUMATIC PURE WARM AIR SELF-ACTING AND VENTILATING STOVE GRATE.

PIERCE solicits an examination of his newly-invented method of WARMING AND VENTILATING, by means of his Patent Pyro-Pneumatic Stove Grate, which, from the

NOVELTY OF ITS PRINCIPLE, SIMPLICITY OF ITS ARRANGEMENTS, AND ELEGANCE OF DESIGN,

combined with its great ECONOMY IN USE, renders this grate suitable for any situation where a POWERFUL DEGREE OF WARMTH, and the CHEERFUL OPEN FIRE are desirable.

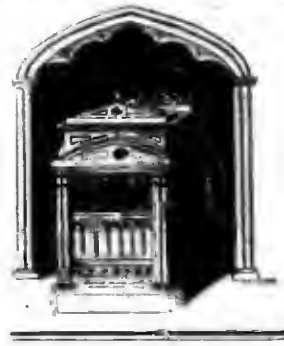
PIERCE having at length succeeded in producing that long-sought *desideratum*—a HEALTHFUL AND SALUBRIOUS atmosphere, such as is felt on a pleasant summer's day, which can, by means of this his Patent Pyro-Pneumatic Stove Grate, be enjoyed during the most dull and dreary of our winter months. The above invention is specially adapted for warming churches, infant and other schools, railway offices, entrance halls, banking houses, &c., &c., or any situation where warmth and purity of air are desirable.

IT MAY BE SEEN IN DAILY USE AT THE PATENTEE'S MANUFACTORY;

also warming the large MODEL ROOM at the SOCIETY OF ARTS, John-street, Adelphi (who have awarded their Honorary Medal to the inventor).

This newly invented Stove-Grate has received the most favourable notices of the public press, for which see the *Literary Gazette, Tablet, Lady's Newspaper, Railway Chronicle, Weekly News*, all February 3, 1849; *Standard, St. James's Chronicle*, February 6; *John Bull, Herapath's Railway Journal*, February 10; *Observer*, February 11; *Morning Post*, February 16; *Morning Herald*, February 17; *Historic Times*, February 24; *The Builder*, March 3; *Mining Journal*, March 17; *British Army Dispatch*, April 20. SCIENTIFIC PUBLICATIONS.—*Journal of Design, Magazine of Science, Journal of Public Health, Church of England Magazine, Art-Journal, Civil Engineer and Architect's Journal, The Artizan*, all for March; and the prospectus and testimonials to be obtained of the Patentee, at his

MANUFACTORY AND SHOW ROOMS, No. 5, JERMYN-STREET, REGENT-STREET.



FOR CHURCHES, CHAPELS, SCHOOLS, WAREHOUSES, PRIVATE DWELLINGS, &c. &c.

MOTT'S PATENT STOVES,

After TWENTY YEARS' TRIAL, still maintain their decided superiority. They give twice as much heat as any other stove, with a smaller consumption of fuel; they burn for eight or ten hours without replenishing; they do not generate offensive and dangerous gases; and they have, when lighted, a very

BRILLIANT AND CHEERFUL APPEARANCE FROM THEIR TRANSPARENT FRONTS.

By the addition of a BOILER AND HOT-WATER PIPES, they may be made to heat at the same time, DISTANT APARTMENTS, CONSERVATORIES, &c. They are made in various sizes and patterns, and the PRICES have recently been GREATLY REDUCED. A Stove at TWELVE GUINEAS, as shown at side, will warm a small Church.

Two or three hundred references can be furnished on application; only a few can be mentioned here, viz.:—

St. Saviour's Church, Southwark.
Christ Church, Westminster.
Trinity Church, Brompton.
Old St. Pancras Church.
Christ Church, Hoxton.
St. Vedast's, Foster-lane.
Portman Chapel, Baker-street.
The Pantheon, Oxford-street.
National Debt Office, Old Jewry.
Picture Gallery, Knightsbridge (late Crosse Exhibition).
Religious Tract Society, St. Paul's Churchyard.
Mr. Parker, West Strand.
Mr. Gilbertson, Lisdale-hill.
Messrs. Perkins and Bacon, Fleet-street.
Messrs. Ridgway and Co., King William-street.
St. Pancras National Schools.
Finsbury Charity Schools.
Stepney Grammar School, &c. &c.

J. L. BENHAM AND SONS, 19, WIGMORE-STREET, CAVENDISH-SQUARE, PATENTEES.

N.B. THE USUAL ALLOWANCE TO THE TRADE.

PROTECTION from FIRE, and GREAT ECONOMY in BUILDING.—A pamphlet, descriptive of the method by which both these important objects are secured, may be obtained on application to Messrs. FOX and BARRETT, 263, Leicester-square.

HOT-WATER APPARATUS.—The attention of architects, builders, and others is respectfully requested to BENJAMIN FOWLER'S superior method of heating churches and chapels, halls, staircases, conservatories, forcing and greenhouses, manufactories and warehouses, kilns, rooms for drying timber, &c. and every variety of purpose for which artificial heat is required. Within the last twenty years some hundreds of buildings have been heated upon this plan, and the parties for whom they were executed are constantly expressing their satisfaction, also their willingness to vouch for their efficiency.

BENJAMIN FOWLER late of 63, Dorset-street, removed to the new Factory, Whitefriars-street, Fleet-street.

TO BUILDERS and CARPENTERS.—Elliptic Stoves, double backs, 3d. per inch. Registers, 6d. 7d., 8d. per inch.

Cottage Ranges, with Oven and Boilers, 3 ft. 2 in. 40s.; 3 ft. 6 in. 45s.: 3 ft. 8 in., 44s.

Self-acting Ranges, with Circular Oven and Back Boiler.

best Wrought Bars and Bright Fittings.		
3 ft., £3 15s.	3 ft. 6, £3 7s.	4 ft., £3 15s.

Best Patent Unit Chimp.

4½d.	5d.	7d.	10d.	1s. 2d.	1s. 6d. per 1,000
6d.	6½d.	8d.	9d.	10d.	20d.

Best Sheet Floor Brads, 12s. 6d. per cwt.
Best Town Glue 28s. Do. scotch, 20s. per cwt.

Best Patent Sash Line.

4s. 3d.	4s.	6s. 6d.	7s. 6d.	10s.	12s. per gross.
1	1	1	1	1	1

All F. R. WILLIAMSONS IRONMONGERY and STOVE WAREHOUSE, 13, Chiswell-street, Finsbury-square.

Lists of Prices had on application at the Warehouse, or by letter pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.

TO ARCHITECTS, BUILDERS, &c.

HAYWARD, BROTHERS, late R. HENLY and Co., WHOLESALE IRONMONGERS, and Manufacturers of KITCHEN-RANGES, STOVES, &c., 190, High Holborn, and 117, Union-street, Borough.

Strong Self-acting Kitchen Ranges, with Back Boiler and Oven and Wrought Bars:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3.	£3 10s.	£3 15s.	£4.	£4 10s.

Henly's Patent Improved, with back Boiler and Wrought Iron Oven:—

3 ft.	3 ft. 3 in.	3 ft. 6 in.	3 ft. 9 in.	4 ft.
£3.	£3 15s.	£4 5s.	£4 15s.	£5.

Best Register Stoves, at 7d., 6d., and 5d. per inch.

Do. Elliptic do., at 3½d., and 4d. do.

Manufacturer of WOLFANTON'S PATENT REGISTER STOVES, a certain cure for SMOKY CHIMNEYS, and effecting a great saving in fuel. To be seen in use daily.

Orders from the Country, accompanied with a remittance or reference, will meet with prompt attention.

THE GALVANIZED IRON COMPANY, No. 3, Mansion-house-place.

Call the particular attention of Architects, Builders, and others, to their patent process of galvanizing or coating iron with PURE ZINC, which, from its action being chemically true, effectually and PERMANENTLY prevents RUST. The process is applicable to all sorts of iron work (whether cast or wrought) in use for building purposes—such as ROOFS, gutters, girders, doors, WATER or GAS PIPES, railings, window sashes and guards, blinds, skylight frames, chimney cowls, cisterns, screws, nails, locks, keys, chains, wire guards &c. &c. &c. The Company undertake to supply GALVANIZED IRON, or to GALVANIZE every description of iron work, in any quantity required.—Particulars and prices at the offices of the Company, 3, Mansion-house-place. Iron and Galvanizing Works, Millwall, Poplar. R. VINCENT, Secretary.

N.B. The Company's patent process is applied to the roofs of the New Houses of Parliament, the sheds in the dockyards at Woolwich, Portsmouth, and Devonport, the Waterloo Station belonging to the London and North-Western Railway Company at Liverpool, and numerous other railway stations, &c., &c., with the most perfect success.

IRON ROOFING WORKS, SOUTHWARK.

Office.—3, Mansion-house-place, London.

JOHN H. PORTER, PATENTEE

Of the Corrugated Iron Beams, Girders, and Fire-proof Floors;

MANUFACTURER OF IRON ROOFS AND BUILDINGS, Chiefly of

THE PATENT GALVANIZED IRON.

This material has been employed by J. H. PORTER for several years past in the construction of Iron Roofing for RAILWAY STATIONS and DOCKYARDS, at home and abroad; FARM BUILDINGS, FACTORIES, GASWORKS, WAREHOUSES, &c.; SUGAR-HOUSES, MINES and CORRUGATED SHEDS, DWELLINGS, and MARKET-PLACES, in the East and West Indies, China, at the Cape of Good Hope, and in other parts of the world; Iron-bar and Strained-wire Fences, Sheep and Cattle Hurdles.

IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. J. JONES having made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Cantilevers, Newel Bars, Water Closet Work, Area Gratings, Pig and other Wheels, Wheel Plates, &c.

BAKER'S OVEN WORK, Forge Backs and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Ranges, &c., always in stock.

SAMUEL HOOD and Co., Castings Warehouse, 61, Upper Thames-street. REGISTERED STABLE FITTINGS. Enamelled Mangers, with double hay-racks, or with enamelled water cistern on one side.—Also, girders, columns, hot water pipes, rain water pipes, eaves, gutters, mash weights, &c., at the lowest prices.

GREEN'S REGISTERED WIND-GUARD.

By this simple contrivance smoke in rooms is thoroughly prevented in all winds. It can be fixed securely on the chimney pot (by any person) in a few minutes: it makes no noise, and can be cleaned out by the common sweeping machine.

May be had at 3, Victoria-place, Euston-square, London (back of the Church). Price, from 4s. to 5s. 6d.

N.B. Agents wanted.

IMPROVED SELF-ACTING CHIMNEY VENTILATORS,

FOR CARRYING OFF HEATED AND IMPURE AIR from drawing-rooms, sitting-rooms, bed-rooms, nurseries, offices, &c. &c., from 3s. each.—HART and PITTS, Manufacturers and Ironmongers, 66, York-street, Westminster, London.

Stoves, ranges, rain water pipes, gutters, and builders' ironmongery, as low as any house in London. Delivered free within 3 miles.

DR. ARNOTT'S VENTILATING CHIMNEY VALVE.

With internal movements, and all the latest improvements.

Constructed for the ventilating of apartments generally.

REDUCED LIST OF PRICES.

	First size, 15 by 9	Second size, 18 by 9
Plain Iron Valve	6 6	9 6
Bronzed and Leathered	7 6	10 6
Japanned, white with gold lines	11 6	15 6
Ditto with Trellis work	17 0	25 6
Brass Front, lacqd. or bronzed	13 6	19 6
Ditto with Trellis work	19 0	27 0

Ventilators of any description made to order.

Manufactured by HART and SONS, 33, 34, 35, Wych-street, Strand, London.—Post-office orders payable at 180, Strand.

TO ARCHITECTS AND BUILDERS.

CHUBB'S WROUGHT-IRON and FIRE-PROOF DOORS and FRAMES, for strong Rooms. A large stock of the above, of all sizes, made to the best manner, and of different strengths, fitted with CHUBB'S PATENT DETECTOR LOCKS, throwing from two to twenty bolts, can usually be on sale, at very moderate prices. FIRE-PROOF SAFES of every size, and Patent Detector Locks and Latches for all purposes.—C. CHUBB and SON, sole Manufacturers, 57, St. Paul's Churchyard, London.

LEADBEATER, FIRE-PROOF SAFE AND DETECTOR LOCK MANUFACTURER TO HER MAJESTY'S BOARD OF ORDNANCE.

CAUTION to Purchasers of FIRE-PROOF DOORS for Strong Rooms, Safes, Chests, and Detector Locks, &c. &c. LEADBEATER, many years manufacturer for Chubb.

LEADBEATER begs most respectfully to inform Architects, Surveyors, Builders, &c., that he can supply them with IMPROVED DETECTOR LOCKS for universal purposes, STRONG WROUGHT IRON FIRE-PROOF DOORS, SAFES, and CHESTS, &c., on the most improved principles of security against FIRE and THIEVES, without the aid of "expensive machinery," which is employed by some inexperienced makers, but must be paid for; at prices 25 per cent. under any other house in London.

LEADBEATER offers ONE HUNDRED POUNDS reward to any person who can pick his improved detector locks or latches. Some thousands of Leadbeater's strong-room doors and safes have now been put up without a SINGLE COMPLAINT, and fifteen years' practical experience, during which he has adapted every possible improvement to real security, enables him to challenge competition with any house in London. A large assortment of all sizes on sale and made to order. A pair of extra strong wrought-iron fire-proof folding doors with ventilating gates, made expressly for a banker's strong room, may be viewed at his manufactory. Strong wrought-iron doors for party walls, with wrought-iron rabbited frames, and secured by the HEAT DETECTOR LOCKS in England, and fitted by 6 feet 3 inches wide and upwards, price 6l. each, always on hand at LEADBEATER'S MANUFACTORY, 138, ALDERSGATE-STREET, LONDON.

By Her Majesty's Royal Letters Patent.

PITT'S PATENT SELF-ADJUSTING DOOR KNOBS AND LOOSE SPINDLES.

HART and SONS beg to invite the attention of architects, builders, and others, to their Door Furniture, mounted for PITT'S PATENTED SPINDLES. The knobs are stronger, more durable, and more elegant in form, than those in ordinary use, as the spindles, being loose, do not require the objectionable side screw. They are more readily fixed, are suitable for every description of lock now in use and, as they adjust themselves to doors of different thicknesses, without alteration, are particularly adapted for the country or for exportation.

In addition to an extensive stock of door furniture in china, crystal, amber, and opal glass, buffalo horn, ivory, ebony, brass, &c., en suite, with finger plates, bell pulls, and levers, new patterns of original design are constantly being added, and an order either to sketch or pattern supplied very promptly. A simple one, for example, in three days, and a more elaborate one in less than a week.—May be obtained through any ironmonger, or direct from the proprietors and sole manufacturers, HART and SONS Wholesale Furnishing Ironmongers, 33, 34, 35, Wych-street, Strand, London.

A list of prices sent on application.

CLEANLINESS is necessarily at all times conducive to health, and this, as well as economy, is greatly promoted by substituting for the noxious process of painting with oil and white lead, STEPHENS'S LIVES for STAINING WOOD, as a SUBSTITUTE for PAINT, for decorating churches, large public rooms, and theatres, as well as private dwellings. When economy in expenditure of material and time is of importance, these Dyes will be found of the greatest advantage, as they give a rich colour to plain woods, while they reflect all the beauty of the natural graining, which is so superior to imitations by art, and, at the same time, avoid the disagreeable smell and deleterious consequences of paint. The Dyes, or Stains, are prepared and sold by HENRY STEPHENS, 54, Stamford-street, Blackfriars-road, London, in bottles at 6d. and 1s. each, and 4s. per gallon. The Oak, Mahogany, and Satin Wood Colours may be obtained in powder at 8s. per lb., which dissolves in water to form the liquid, and 1 lb. will make one gallon of stain.—N.B. The trade supplied.—Sold also at the Office of "The Builder," 2, York-street, Covent Garden, London; at both which places may be had the proper Varnish and Size, with directions for their use.